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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Varadarajan Srinivasan et al

SERIAL NO.: 10/775,526

FILING DATE: 2/9/2004

Title: *Content Addressable Memory Having  
Column Redundancy*

Examiner: Tuan Nguyen

Art Unit: 2824

**REQUEST TO CORRECT INVENTORSHIP**  
**UNDER 37 CFR 1.48(a)**

Assistant Commissioner for Patents  
Alexandria, VA 22313

Sir:

Without any deceptive intention on the part of any of the inventors, one co-inventor for the above-referenced patent application was inadvertently not named as an inventor. During a recent review of the Filing Receipt for this application, the error in inventorship was detected. Accordingly, it is requested that this application be amended to correct the inventorship to additionally name Sandeep Khanna as a co-inventor along with originally named inventors Varadarajan Srinivasan and Bindiganavale S. Nataraj. As required under 37 CFR 1.48(a), a Statement from the inventor to be added, a corrected Declaration listing and signed by all inventors, written consent of the Assignee under 37 CFR 3.73(b), and authorization for the fee set forth in 37 CFR 1.16(e) are included with this request.

04/12/2004 WABRHAM1 00000005 10775526 .

01 FC:1460

130.00 DP

Respectfully submitted,

Dated: April 6, 2004

William L Paradise III  
Reg. No. 38,990

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Arlington, VA 222313 on April 6, 2004.



By:

William L Paradise III

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

☐ Declaration Submitted with Initial Filing

OR

☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	P208-C1/WLP
First Named Inventor	Varadarajan Srinivasan
<b>COMPLETE IF KNOWN</b>	
Application Number	10/775,526
Filing Date	02/09/2004
Art Unit	2824
Examiner Name	Tuan Nguyen

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Content Addressable Memory Having Column Redundancy

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

02/09/2004

as United States Application Number or PCT International

Application Number 10/775,526 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☒ Customer Number  OR ☐ Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventorGiven Name Varadarajan  
(first and middle [if any])Family Name Srinivasan  
or SurnameInventor's  
Signature 

Date

Apr 16, 2004

Los Altos Hills

CA

US

US

Residence: City

State

Country

Citizenship

27835 Lupine Road

Mailing Address

Los Altos Hills

CA

94022

US

City

State

ZIP

Country

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name Bindiganavale S.  
(first and middle [if any])Family Name Nataraj  
or SurnameInventor's  
Signature 

Date

4/16/2004

Cupertino

CA

US

US

Residence: City

State

Country

Citizenship

10599 Nathanson Avenue

Mailing Address

Cupertino

CA

95014

US

City

State

ZIP

Country

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

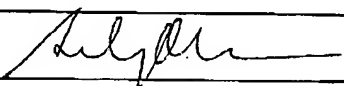
PTO/SB/02A (08-03)

Approved for use through 08/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

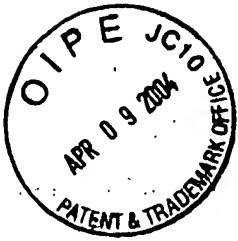
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet
Page 1 of 1	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Sandeep		Khanna	
Inventor's Signature 		Date 4-6-04	
Los Altos Residence: City	CA State	US Country	US Citizenship
1665 Alexander Ct. Mailing Address			
Mailing Address			
Los Altos City	CA State	94024 Zip	US Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Varadarajan Srinivasan et al

SERIAL NO.: 10/775,526

FILING DATE: 2/9/2004

Title: *Content Addressable Memory Having  
Column Redundancy*


Examiner: Tuan Nguyen

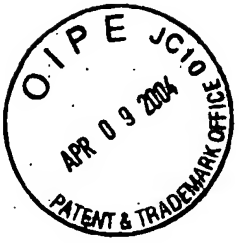
Art Unit: 2824

**STATEMENT OF INVENTOR UNDER  
37 CFR 1.48(a)(2)**Assistant Commissioner for Patents  
Alexandria, VA 22313

Sir:

I, Sandeep Khanna, residing at 1665 Alexander Court, Los Altos, California 94024,  
declare that I have been omitted as a named inventor of one or more of the claims in Application  
No. 10/775,526. I further declare that the error in inventorship for the above-referenced patent  
application occurred without deceptive intention.

  
Sandeep Khanna4-6-04  
Date



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Varadarajan Srinivasan et al

SERIAL NO.: 10/775,526

FILING DATE: 2/9/2004

Title: *Content Addressable Memory Having  
Column Redundancy*

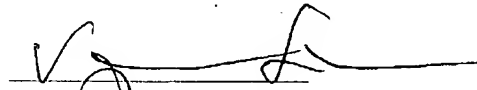
Examiner: Tuan Nguyen

Art Unit: 2824

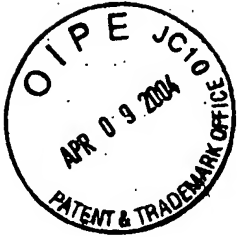
**STATEMENT OF ASSIGNEE**  
**UNDER 37 CFR 3.73**Assistant Commissioner for Patents  
Alexandria, VA 22313

Sir:

NetLogic Microsystems, Inc, a Delaware Corporation having a principle place of business at 450 National Avenue, Mountain View, CA 94043, states that it is the Assignee of the entire right, title, and interest in Application Number 10/775,526 by virtue of an assignment document executed by the by all three co-inventors, a copy of which is attached hereto. The undersigned (whose title is provided below) is authorized to act on behalf of the Assignee.

Dated: April 6, 2004  
Varadarajan Srinivasan  
Vice President of Product Development  
NetLogic Microsystems, Inc.





Atty. Docket No.: P208-C1/WLP

PATENT

## IN THE UNITED STATES PATENT OFFICE

In Re Patent Application of: )  
Varadarajan Srinivasan et al )

Examiner: Tuan Nguyen

Application No.: 10/775,526 )

Art Unit: 2824

Filed: February 9, 2004 )

For: Content Addressable Memory Having )  
Column Redundancy )

Assistant Commissioner for Patents  
Alexandria, VA 22313

**Power of Attorney by Assignee and Certification**  
**Under 37 CFR 83.73(b)**

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-referenced patent application, hereby revoke all prior powers of attorney for said application and appoint the practitioner at Customer Number 25670, the Customer Number of William L Paradise III, as my/our attorney(s) or agent(s) to prosecute said application, and to transact all business in the United States Patent and Trademark Office connected therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR 3.71.

Effective immediately, please direct all further communications in the above-identified patent application to the following address:

**William L Paradise III**  
**425 California Street, Suite 900**  
**San Francisco, CA 94104**


**Telephone: (415) 291-9497**  
**Facsimile: (415) 296-0812**  
**Customer No. 25670**

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the duly executed assignment document enclosed herewith.

I further declare that these statements were made with the knowledge that willful false

statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of the this application or any patent resulting therefrom.

ASSIGNEE: NetLogic Microsystems, Inc.

Signature: 

Typed Name: Varadarajan Srinivasan

Title: Vice President of Product Development cto

Date: April 6, 2004

Address: 450 National Avenue  
Mountain View, California 94043

ASSIGNMENT

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, Varadarajan Srinivasan, Bindiganavale S. Nataraj, and Sandeep Khanna, the undersigned Assignor(s), believing to be the original, first and sole or joint inventor(s) of any and all new and useful improvements disclosed in the application for the United States patent entitled Content Addressable Memory Having Column Redundancy hereby sell, assign, and transfer to NetLogic Microsystems, Inc., a Delaware corporation, having a principal place of business at 450 National Avenue, Mountain View, California 94043, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the same patent application

  X   which was filed with the United States Patent and Trademark Office on 5/10/2002 and which was assigned Application Number 10/143,051.

       which has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below.

I/we undersigned further sell, assign, and transfer to Assignee the application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of the United States application; and the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

I/we agree that the Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, the Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to the Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist the Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in the Assignee, its successors, assigns, and legal representatives.

I/we covenant with the Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I/we hereby authorize and request the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Letters Patents, when granted, to the Assignee as the assignee of the entire right, title and interest in and to the same, for the sole use of the Assignee, its successors and assigns, to the full end of the term for which said Letters Patents may be granted.

I/we hereby grant to William L. Paradise III, Attorney for Applicant, located at 425 California Street, Suite 900, San Francisco, CA 94104, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

Each Inventor/Assignor: Please Sign and Date Below:		Please also list date you signed the accompanying <b>DECLARATION AND POWER OF ATTORNEY</b> if Assignment executed with new filing:
<u>July 16</u> , 20 <u>02</u> Date	<u>Varadarajan Srinivasan</u> Name: Varadarajan Srinivasan	
<u>July 16</u> , 20 <u>02</u> Date	<u>Bindiganavale S. Nataraj</u> Name: Bindiganavale S. Nataraj	_____, 20____ Date
<u>7-16-</u> , 20 <u>02</u> Date	<u>Sandeep Khanna</u> Name: Sandeep Khanna	_____, 20____ Date
_____, 20____ Date	_____ Name:	_____, 20____ Date
_____, 20____ Date	_____ Name:	_____, 20____ Date
_____, 20____ Date	_____ Name:	_____, 20____ Date